

PRIORITY

SECRET

19 DEC 69 21 22Z

P 192048Z DEC 69
FM NPIC WASHDC
TO RHCOAAA/SAC OFFUTT AFB OMAHA NEB
RHCOAAA/544TH ARTW, OFFUTT AFB OMAHA NEB
RUHHABA/548TH RTG, HICKAM AFB, HAWAII
RUCRJCS/DIAXX-2
RUEFHQA/HQ USAF
BT

SECRET CITE NPIC 7661
HQ USAF FOR AFIGOS, AFXOTR, AFNICAD
SAC FOR DIRI, DOSR, DISD
SUBJECT: EVALUATION OF GIANT NAIL MISSION GA-T-144, FLOWN
4 DECEMBER 1969

1. IMAGE QUALITY: THE IMAGE QUALITY OF THIS MISSION IS GOOD WHERE NOT AFFECTED BY ATMOSPHERICS OR OVEREXPOSURE (SEE PARA 3A). THE MISSION CONSISTS OF ONLY FOUR CANS (347 TITLED FRAMES) OF WHICH THE IMAGERY ON THE LAST TWO IS ALMOST COMPLETELY CLOUD COVERED. CLOUD COVER OBSCURES APPROXIMATELY 65 PERCENT THE ENTIRE MISSION.

2. MISSION DATA:

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- A. MISSION NUMBER: GA-T-144, 4 DECEMBER 1969
- B. CAMERA: IRIS II, SERIAL NUM: 8010
- C. A/C NUM: 340
- D. MODE: STEREO
- E. T/O: 0209Z, C/ON: 0427Z
- F. FILM TYPE: 3404, FILTER: WRITTEN 15
- G. CHEMISTRY: UNK, PROCESSING FACILITY: 548TH RTG
- H. AVG. GAMMA: UNK
- I. EXPOSURE: AUTOMATIC

3. ORIGINAL NEGATIVE:

A. EXPOSURE: THE EXPOSURE IS GOOD ON THE FIRST THIRTEEN FRAMES. AT THE MIDDLE OF FRAME 14 THE DENSITY BEGINS TO GET GRADUALLY HEAVIER AND THE NEGATIVE IS VERY OVEREXPOSED AT THE SUPPLY END OF THE FRAME. THIS OVEREXPOSURE CONTINUES THROUGH FRAME 28. IN FRAME 29 THE EXPOSURE GRADUALLY RETURNS TO THE PROPER LEVEL. IT REMAINS AT THIS LEVEL UNTIL FRAME 45 AT WHICH TIME THE EXPOSURE AGAIN SHIFTS AND THE RECORD BECOMES OVEREXPOSED. THE MATERIAL REMAINS OVEREXPOSED UNTIL FRAME 49 WHERE THE EXPOSURE AGAIN GRADUALLY RETURNS TO THE PROPER LEVEL. THE EXPOSURE REMAIN GOOD THROUGHOUT THE REST OF THE MISSION. DUE

OF	OFFICE	PI
1	FILE	
2	CABLE REC.	
	PPAB/GO	
	SECUR.	
3/4	TSSG/ABSD	
	PSG/CC	
	REC	
	REFAD	
	AID	
	IEG	
	IEG/CC	
	SCHEM	
	WEST	
	EAST	
	MSS	
	IEG/PPAB	
5	IAS	
	DIA-XX4	
	SPAD	
	DIA-AP	
	CMX	

25X1

ADVANCE CY
SANITIZED
WITH TEXT

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TO THE LIMITED AMOUNT OF TERRAIN IMAGERY ACQUIRED, RECOMMENDATIONS AS TO THE AEC VERSUS A SET SLIT WIDTH CANNOT BE MADE.

B. DENSITY AND CONTRAST: THE MATERIAL IS OF GOOD DENSITY AND CONTRAST WITH THE EXCEPTION OF THOSE MISSION PORTIONS WHICH

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

ARE OVEREXPOSED AS STATED ABOVE.

C. IMAGED DEGRADATIONS:

(1) FOG PATTERNS ARE PRESENT ON THE FIRST FRAME OF THE MISSION.

(2) A 0.1 INCH WIDE BAND OF FOG, ORIENTED PERPENDICULAR TO THE FILM EDGES AND LOCATED THREE INCHES FROM THE TAKE-UP END OF THE FRAME, IS PRESENT ON NUMEROUS FORWARD FRAMES THROUGHOUT THE MISSION.

D. PHYSICAL DEGRADATIONS: AN EMULSION SCRATCH, LOCATED 2.9 INCHES FROM THE TITLED EDGE OF THE FILM, IS PRESENT THROUGHOUT THE MISSION.

E. DATA RECORDING EQUIPMENT: FUNCTIONED PROPERLY THROUGHOUT WITH EXCEPTION AS EXPLAINED IN PARAGRAPH F

F. OTHER DEGRADATIONS: ERRATIC METERING WAS FIRST NOTED BETWEEN FRAMES 195/196; A FEW RANDOM INSTANCES WERE NOTED THEREAFTER. FRAME 213 IS ACTUALLY TWO FRAMES RUN TOGETHER WITH THE DATA BLOCK EXPOSED OVER THE IMAGERY. NO DATA BLOCK WAS IMAGED BETWEEN

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FRAME 212/213. THIS FAILURE IS SIMILAR TO THAT EXPLAINED IN PARAGRAPH D, SUBPARAGRAPH 2 OF THE EVALUATION REPORT FOR MISSION GA-T-138 (CITE NPIC 7552). ON MISSION GA-T-144, THIS FAILURE OCCURRED ONLY ONCE (FRAME 213).

G. THIS MISSION CONSISTS OF 347 TITLED FRAMES.

4. POSITIVES: POSITIVES WERE NOT PRODUCED FROM THIS MISSION.

GP-1

S E C R E T

END OF MESSAGE